

Claims

WHAT IS CLAIMED IS:

1. A memory card connector for connecting a memory card to a main circuit board comprising:
 - (a) a header having a plurality of inwardly extending pins and a plurality outwardly extending pins; and
 - (b) electrical conductive means connected to the outwardly extending pins.
2. The memory card connector of claim 1 wherein the electrical conductive means is electrically connected to the main circuit board.
3. The memory card connector of claim 1 wherein the header has an inward edge and the inwardly extending pins extend from the inward edge of the header.
4. The memory card connector of claim 3 wherein the header has an outward side and the outwardly extending pins extend from the outward edge of the header.
5. The memory card connector of claim 2 wherein the electrical conductive means is a second circuit board.
6. The memory card connector of claim 5 wherein the second circuit board is positioned in generally perpendicular relation to said outwardly extending pins.

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7. The memory card connector of claim 6 wherein the second circuit board is positioned in generally perpendicular relation to said main circuit board.
8. The memory card connector of claim 7 wherein the outwardly extending pins are generally horizontal.
9. The memory card connector of claim 8 wherein the second circuit board is generally vertical.
10. The memory card connector of claim 9 wherein the main circuit board is generally horizontal.
11. The memory card connector of claim 10 wherein there is a female connector on the main circuit board and a lower end on the second circuit board and said lower end is detachably inserted into the female connector.
12. The memory card connector of claim 10 wherein support means are provided between the memory card connector and the main circuit board.
13. The memory card connector of claim 10 wherein the second circuit board has a height and said height is selected based on an application requirement.
14. The memory card connector of claim 13 wherein electronic components are positioned between the memory card connector and the main circuit board.

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15. The memory card connector of claim 10 wherein a second memory card connector is positioned in spaced parallel relation to said first memory card connector.

16. The memory card connector of claim 15 wherein the second memory card connector comprises (a) a header having a plurality of inwardly extending pins and a plurality of outwardly extending pins; and (b) electrical conductive means connected to the outwardly extending pins.

17. The memory card connector of claim 16 wherein the electrical conductive means of the second memory card connector is a third circuit board.

18. The memory card connector of claim 17 wherein the second circuit board and the third circuit board each have heights and the height of the third circuit board is greater than the height of the second circuit board.

19. The memory card connector of claim 18 wherein the outwardly extending pins of the second memory card outwardly extending pins of the first memory card each have lengths and the lengths of said outwardly extending pins of the second memory card are greater than the lengths of the outwardly extending pins of said first memory card.

20. The memory card connector of claim 1 wherein the memory card connector includes a carrier.

21. The memory card connector of claim 16 wherein the second memory card connector includes a second carrier.

22. A method of connecting a memory card connector having a header with inwardly extending pins and outwardly extending pins to a main circuit board comprising the steps of (a) connecting the outwardly extending pins to an electrical conductive means; and (b) connecting the electrical conductive means to the main circuit board.

23. The method of claim 22 wherein the electrical conductive means is a second circuit board.

24. The method of claim 23 wherein the second circuit board is positioned in generally perpendicular relation to said outwardly extending pins.

25. The method of claim 24 wherein the second circuit board is positioned in generally perpendicular relation to said main circuit board.

26. The method of claim 25 wherein the second circuit board has a height and said height is selected based on an application requirement.

27. The method of claim 26 wherein electronic components are positioned between the memory card connector and the main circuit board.

28. A memory card connector for connecting a memory card to a main circuit board comprising a header having a plurality of pins and wherein at least some of said pins are connected to a separate transverse electrical

conductive means which electrical conductive means is connected to said
main circuit board.

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